

Abstract

What is disclosed is a hydraulic control system for  
5 controlling a hydraulic consumer actuating a working tool  
of a mobile equipment that is provided with oscillation  
damping means for attenuating oscillations during braking  
of the working tool. In accordance with the invention,  
the oscillation damping means comprise two pilot-  
10 controlled shut-off valves arranged in opposite  
directions, that are positioned in a connecting line  
between a pressure medium supply and a pressure medium  
drain. The shut-off valves are subjected to the pressure  
in the drain and in the delivery, respectively, in the  
15 opening direction, and also to this pressure and to the  
force of a spring in the closing direction. Following a  
predetermined initial stroke of a regulator of the  
control system, the pressure acting on the drain-side  
shut-off valve in the closing direction may be reduced,  
20 so that the latter is opened by the pressure in the  
drain, and the connecting line between delivery and  
return is opened.